

Title (en)
IMPLANTABLE CARDIAC DEVICE WITH DYSPNEA MEASUREMENT

Title (de)
IMPLANTIERBARE HERZVORRICHTUNG MIT DYSPLNOEMESSUNG

Title (fr)
DISPOSITIF CARDIAQUE IMPLANTABLE COMPRENANT LA MESURE DE LA DYSPNEE

Publication
EP 1855758 B1 20150909 (EN)

Application
EP 06735992 A 20060224

Priority
• US 2006006558 W 20060224
• US 6796405 A 20050228

Abstract (en)
[origin: US2006195149A1] Cardiac monitoring and/or stimulation methods and systems employing dyspnea measurement. An implantable cardiac device may sense transthoracic impedance and determine a patient activity level. An index indicative of pulmonary function is implantably computed to detect an episode of dyspnea based on a change, trend, and/or value exceeding a threshold at a determined patient activity level. Trending one or more pulmonary function index values may be done to determine a patient's pulmonary function index profile, which may be used to adapt a cardiac therapy. A physician may be automatically alerted in response to a pulmonary function index value and/or a trend of the patient's pulmonary index being beyond a threshold. Computed pulmonary function index values and their associated patient's activity levels may be stored periodically in a memory and/or transmitted to a patient-external device.

IPC 8 full level
A61B 5/085 (2006.01); **A61B 5/091** (2006.01); **A61B 5/11** (2006.01); **A61N 1/37** (2006.01)

CPC (source: EP US)
A61B 5/02028 (2013.01 - US); **A61B 5/0205** (2013.01 - EP US); **A61B 5/076** (2013.01 - US); **A61B 5/0816** (2013.01 - EP US); **A61B 5/085** (2013.01 - EP US); **A61B 5/091** (2013.01 - EP US); **A61B 5/1118** (2013.01 - EP US); **A61B 5/316** (2021.01 - EP); **A61B 5/318** (2021.01 - EP); **A61B 5/346** (2021.01 - US); **A61B 5/4836** (2013.01 - EP US); **A61B 5/686** (2013.01 - EP US); **A61B 5/7275** (2013.01 - EP US); **A61B 5/7282** (2013.01 - EP US); **A61B 5/746** (2013.01 - EP US); **A61B 5/747** (2013.01 - EP US); **A61N 1/3627** (2013.01 - EP US); **A61N 1/36585** (2013.01 - US); **A61N 1/3702** (2013.01 - EP US); **A61N 1/3987** (2013.01 - US); **G16H 50/20** (2017.12 - EP US); **G16H 50/30** (2017.12 - EP US); **A61B 5/0022** (2013.01 - EP US); **A61B 5/0024** (2013.01 - EP US); **A61B 5/0809** (2013.01 - US); **A61B 5/0826** (2013.01 - US)

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